IN THE SPECIFICATION:

On page 1, after the title, insert the following heading:

BACKGROUND OF THE INVENTION

On page 1, please amend lines 1-3 to read as follows:

The present invention relates to a method for minimizing the error of a measured variable ~~according to the preamble of Claim 1~~.

On page 2, after line 2, insert the following heading:

SUMMARY OF THE INVENTION

On page 2, delete lines 9-11 as follows:

~~This object is achieved by the features of Claim 1. Further embodiments and advantages result from the subclaims.~~

On page 2, please amend lines 12-19 to read as follows:

~~Accordingly,~~ According to the invention, a method for minimizing the error of a measured variable, particularly a signal to be measured using filtering at variable bandwidth, is ~~suggested~~ proposed, in which signal changes not caused by noise, i.e., changes of the information component of the signal, are recognized as early as possible, the bandwidth being regulated on the basis of a physical criterion inherent to the method ~~according to the present invention~~.

On page 5, please delete lines 1-3 and insert the following paragraph and heading:

~~The present invention will be explained in greater detail in the following for exemplary purposes on the basis of the attached figures.~~

For a full understanding of the present invention, reference should now be made to the following detailed description of the preferred embodiments of the invention as illustrated in the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

On page 5, please amend lines 4-24 to read as follows:

Figure 1~~:~~ shows an illustration of a signal without noise as a function of time, i.e., an illustration of the information component of the signal~~; in~~. In all further figures, the spectral noise output density of the measured signals is always 1/Sqrt(HZ)~~:~~.

Figure 2~~:~~ shows an illustration of the signal shown in Figure 1 having noises as a function of time, the signal having been conducted through a filter having a bandwidth of 25 MHz~~:~~.

Figure 3~~:~~ shows an illustration of the signal shown in Figure 1 having noises as a function of time, the signal having been conducted through a filter having a bandwidth of 3 MHz~~:~~.

Figure 4~~:~~ shows an illustration of the signal shown in Figure 1 having noises as a function of time, the signal having been conducted through a filter having a bandwidth of 0.4 MHz~~:~~.

Figure 5~~:~~ shows an illustration of the error signal for the signal shown in Figure 3~~;~~.

Figure 6~~:~~ shows an illustration of the error signal having controlled bandwidth according to the present invention~~;~~.

On page 6, please amend lines 1-9 to read as follows:

Figure 7~~:~~ shows an illustration of an exemplary decision procedure using two filters according to the present invention~~;~~.

Figure 8~~:~~ shows an illustration of an exemplary decision procedure using multiple filters according to the present invention~~; and~~.

Figure 9~~:~~ shows an illustration of the output signal with controlled bandwidth according to the method according to the present invention.

On page 9, after line 9, please insert the following heading and paragraph:

DESCRIPTION OF THE PREFERRED EMBODIMENT

The preferred embodiment of the present invention will now be described with reference to Figures 1-9 of the drawings. Identical elements in the two figures are designated with the same reference numerals.

On page 6, lines 13-21, please amend the paragraph to read as follows:

Figures 2, 3, and 4 ~~provides~~ provide a realistic illustration. In this case, the signal from Figure 1 is illustrated having noises at different bandwidths, the signal being sent through low-pass filters having different bandwidths for this purpose. The bandwidths are 25 MHz for Figure ~~1 [sic; 2]~~ 2, 3 MHz for Figure 3, and 0.4 MHz for Figure 4. As may be inferred from Figures 2, 3, and 4, the signal having higher bandwidth has a higher noise amplitude; however, the jump at t = 0 is shown more rapidly.

On page 12, after the last line, please insert the following paragraph:

There has thus been shown and described a novel method for minimizing the error of a measurable quantity which fulfills all the objects and advantages sought therefor. Many changes, modifications, variations and other uses and applications of the subject invention will, however, become apparent to those skilled in the art after considering this specification and the accompanying drawings which disclose the preferred embodiments thereof. All such changes, modifications, variations and other uses and applications which do not depart from the spirit and scope of the invention are deemed to be covered by the invention, which is to be limited only by the claims which follow.